BASIC CONSERVATION SYSTEMS

These systems are the soil erosion control components of Resource Management Systems. The following deviations from assigned "T" values are approved for use in planning and applying basic conservation systems on appropriate land capability classes.

THESE APPROVED CALCULATED SOIL EROSION RATES ARE NOT INTENDED TO BE REVISIONS OF ASSIGNED “T” VALUES

ASSIGNED "T" VALUE	MAXIMUM ALLOWABLE CALCULATED EROSION RATE
1	2 tons/ac/yr
2	3 “
3	4 “
4	5 “
5	6 “

Soil losses by wind are to be calculated using WEQ. These soil losses are then to be compared to the values shown above.

Soil losses by sheet and rill erosion are to be calculated using USLE. These soil losses are then to be compared to the values shown above.

For purposes of making determinations of adequacy of land treatment planning and application, the wind erosion calculations and the sheet and rill erosion calculations are NOT to be added together.

While concentrated flow erosion is not considered in determining whether or not a particular field is subject to the Highly Erodible Lands requirements, all forms of erosion found on fields which are subject to these provisions are to be considered in determining land treatment needs for that field. Need for such practices for concentrated flow erosion as terraces, grassed waterways, diversion terraces, grade stabilization structures, and so forth are to be determined by examination of the particular field in question. Need for special wind erosion control measures such as field windbreaks is likewise to be determined on a field by field basis.

TREATMENT NEEDED ON EACH FIELD IS TO BE INCLUDED IN THE CONSERVATION PLAN TO SOLVE ALL FORMS OF EROSION FOUND ON THE FIELD.

These basic systems are applicable to land capability classes I-V. They are not applicable to land classes VIe, VIs, VIc, VII, or VIII. Areas of class VIe, VIs, or VIc land which consists of less than five (5) contiguous acres within a larger HEL field are allowable. Class Vw fields may be subject to severe scour erosion by overflow water. Crops grown on these fields are likely to be subject to damage by flowing or standing water. In those instances where class Vw or class VIw land has no serious scour erosion problem, basic conservation systems are applicable, provided that soil losses are held to the limits indicated above. For land in capability classes VIe, VIc, VIs, VII, and VIII, on class Vw and VIw with scour erosion potential, the basic conservation system is permanent vegetative cover (including trees).

NOTE: FARMING CLASS Vw OR CLASS VIw LAND MAY CREATE SWAMPBUSTER PROBLEMS.